

Richard, Philip E - DNR

Rec 10/27/14
put on USRAIS
10/29/14
(99)

From: Ree, Timothy <tree@craworld.com>
Sent: Monday, October 27, 2014 11:30 AM
To: Martin, Linda
Cc: Richard, Philip E - DNR; Endsley, Erin A - DNR; Frehner, Ron; Storlie, Pete
Subject: RE: Penta Wood - Modified System Testing Result ~COR-086165~
Attachments: Lab Report-240-43270-1-086165-01-07-2014-10-27.pdf

Linda,

Please find attached a copy of the laboratory report for the test sample collected from the Penta Wood modified system on October 17, 2014. PCP was detected below the reporting limit (0.095 ug/L) at an approximate concentration of 0.033 ug/L, which is below the permit criteria of 0.1 ug/L. This data demonstrates that the modified system will treat and discharge water in accordance with the permit requirements.

This email provides notification that we will restart the modified system and operate continuously starting today (10/27/2014).

As we discussed during the transition conference call today, we will resume collecting the discharge compliance samples in accordance with the permit schedule. We will request expedited the laboratory analyses for at least the first couple of samples to more closely monitor conditions due to the recent system modification. We will provide the data as it is received and keep USEPA updated on any developments.

Should you have questions, please do not hesitate to contact me.

Regards,
Tim

From: Ree, Timothy
Sent: Wednesday, October 15, 2014 9:34 AM
To: 'Martin, Linda'
Cc: Phil Richard; Erin Endsley (Erin.Endsley@wisconsin.gov); Frehner, Ron
Subject: RE: Penta Wood - System Modification Letter and Implementation Schedule ~COR-086165~

Thanks, Linda.

From: Martin, Linda [<mailto:martin.lindab@epa.gov>]
Sent: Wednesday, October 15, 2014 9:33 AM
To: Ree, Timothy
Cc: Phil Richard; Erin Endsley (Erin.Endsley@wisconsin.gov); Frehner, Ron
Subject: RE: Penta Wood - System Modification Letter and Implementation Schedule ~COR-086165~

Hi Tim and Phil, After review of the information provided below, USEPA agrees that the schedule presented is adequate. Please move forward with the shutdown of the treatment system on Thursday October 16, 2014 and implementation of the system modification.

If you have any other questions please let me know. Thanks LM

Linda Martin
Remedial Project Manager
US EPA
77 West Jackson (SR-6J)
Chicago Il 60604
312-886-3854
Fax: 312-692-2411

From: Ree, Timothy [<mailto:tree@croworld.com>]
Sent: Wednesday, October 15, 2014 8:47 AM
To: Martin, Linda
Cc: Phil Richard; Erin Endsley (Erin.Endsley@wisconsin.gov); Frehner, Ron
Subject: RE: Penta Wood - System Modification Letter and Implementation Schedule ~COR-086165~

Linda,

In response to USEPA's comments in the attached letter and our conversation this morning, we discussed the following implementation schedule:

- 10/16/2014
 - Shutdown LNAPL and groundwater extraction pumps in upper aquifer
 - Shutdown groundwater extraction pumps in lower aquifer
 - Complete piping modification in treatment building
 - Restart groundwater extraction pumps in lower aquifer and treat water using only bag filters, granular activated carbon (GAC) pre-filter, GAC filter #1, and GAC filter #2; discharge effluent water to infiltration basin
- 10/17/2014
 - Collect effluent sample and ship to laboratory for analysis of PCP (request 5-day turn-around-time basis)
 - Shutdown groundwater extraction pumps in lower aquifer until laboratory results are received
- 10/27/2014 (anticipated)
 - Receive effluent sample laboratory results and provide to USEPA and WDNR
 - If results indicate water meets WPDES permit discharge criteria, implement modified system operation on a continuous basis
 - If results indicate water does not meet WPDES permit discharge criteria, the system would remain shut down for a maximum of 30 days while problems are assessed and/or options are considered. If potential problems cannot be resolved within 30 days after receiving laboratory results, restart the system in accordance with the original operational protocols/parameters while potential alternatives are assessed.

Please respond indicating your approval/acceptance of this schedule.

Thanks,
Tim

From: Martin, Linda [<mailto:martin.lindab@epa.gov>]
Sent: Tuesday, October 14, 2014 3:12 PM
To: Phil Richard
Cc: Ree, Timothy
Subject: Penta Wood System Modification letter

Hi Phil, Please see the attached letter. If you have any questions please let me know.
Thanks LM

Linda Martin
Remedial Project Manager
US EPA
77 West Jackson (SR-6J)
Chicago Il 60604
312-886-3854
Fax: 312-692-2411

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-43270-1

Client Project/Site: 86165-01, Penta Wood

For:

Conestoga-Rovers & Associates, Inc.
1801 Old Highway 8 NW
Suite 114
St. Paul, Minnesota 55112

Attn: Mr. Grant Anderson



Authorized for release by:
10/27/2014 11:15:55 AM

Denise Heckler, Project Manager II
(330)966-9477

denise.heckler@testamericainc.com

LINKS

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results through

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The
Expert

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www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Table of Contents

| | |
|----------------------------------|----|
| Cover Page | 1 |
| Table of Contents | 2 |
| Definitions/Glossary | 3 |
| Case Narrative | 4 |
| Method Summary | 5 |
| Sample Summary | 6 |
| Detection Summary | 7 |
| Client Sample Results | 8 |
| Surrogate Summary | 9 |
| QC Sample Results | 10 |
| QC Association Summary | 11 |
| Lab Chronicle | 12 |
| Certification Summary | 13 |
| Chain of Custody | 14 |
| Receipt Checklists | 17 |



Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01, Penta Wood

TestAmerica Job ID: 240-43270-1

Qualifiers

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| * | LCS or LCSD exceeds the control limits |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| □ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01, Penta Wood

TestAmerica Job ID: 240-43270-1

Job ID: 240-43270-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 86165-01, Penta Wood

Report Number: 240-43270-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 10/18/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.8 C.

CHLORINATED HERBICIDES

Sample W-141017-PS-SYSMOD (240-43270-1) was analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 10/22/2014 and analyzed on 10/26/2014.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Pentachlorophenol failed the recovery criteria high for LCS 180-122431/2-A. This analyte was biased high and non detect or detected below the Reporting Limit in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01, Penta Wood

TestAmerica Job ID: 240-43270-1

| Method | Method Description | Protocol | Laboratory |
|--------|--------------------|----------|------------|
| 8151A | Herbicides (GC) | SW846 | TAL PIT |

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058



Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01, Penta Wood

TestAmerica Job ID: 240-43270-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|--------------------|--------|----------------|----------------|
| 240-43270-1 | W-141017-PS-SYSMOD | Water | 10/17/14 12:00 | 10/18/14 09:30 |

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- 14
- 15

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01, Penta Wood

TestAmerica Job ID: 240-43270-1

Client Sample ID: W-141017-PS-SYSMOD

Lab Sample ID: 240-43270-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|-------|-------|------|---------|---|--------|-----------|
| Pentachlorophenol | 0.033 | J* | 0.095 | 0.015 | ug/L | 4 | | 8151A | Total/NA |

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This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 86165-01, Penta Wood

TestAmerica Job ID: 240-43270-1

Client Sample ID: W-141017-PS-SYSMOD

Lab Sample ID: 240-43270-1

Date Collected: 10/17/14 12:00

Matrix: Water

Date Received: 10/18/14 09:30

Method: 8151A - Herbicides (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| Pentachlorophenol | 0.033 | J* | 0.095 | 0.015 | ug/L | | 10/22/14 16:45 | 10/26/14 07:19 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2,4-Dichlorophenylacetic acid | 87 | | 32 - 140 | | | | 10/22/14 16:45 | 10/26/14 07:19 | 4 |



Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01, Penta Wood

TestAmerica Job ID: 240-43270-1

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | |
|--------------------|--------------------|--|-------------------|
| | | DCPA1 (32-140) | DCPA2 (32-140) |
| 240-43270-1 | W-141017-PS-SYSMOD | 87 | 85 |
| LB 180-122041/9-D | Method Blank | 118 | 125 |
| LCS 180-122431/2-A | Lab Control Sample | 132 | 137 |
| MB 180-122431/1-A | Method Blank | 85 | 90 |

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid



QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 86165-01, Penta Wood

TestAmerica Job ID: 240-43270-1

Method: 8151A - Herbicides (GC)

Lab Sample ID: LB 180-122041/9-D
Matrix: Water
Analysis Batch: 122726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 122431

| Analyte | LB LB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Pentachlorophenol | 0.48 | U | 0.48 | 0.074 | ug/L | | 10/22/14 16:45 | 10/26/14 06:58 | 20 |
| Surrogate | LB LB | | Limits | | | D | Prepared | Analyzed | Dil Fac |
| %Recovery | Qualifier | | | | | | | | |
| 2,4-Dichlorophenylacetic acid | 125 | | 32 - 140 | | | | 10/22/14 16:45 | 10/26/14 06:58 | 20 |

Lab Sample ID: MB 180-122431/1-A
Matrix: Water
Analysis Batch: 122726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 122431

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Pentachlorophenol | 0.50 | U | 0.50 | 0.078 | ug/L | | 10/22/14 16:45 | 10/26/14 06:38 | 20 |
| Surrogate | MB MB | | Limits | | | D | Prepared | Analyzed | Dil Fac |
| %Recovery | Qualifier | | | | | | | | |
| 2,4-Dichlorophenylacetic acid | 90 | | 32 - 140 | | | | 10/22/14 16:45 | 10/26/14 06:38 | 20 |

Lab Sample ID: LCS 180-122431/2-A
Matrix: Water
Analysis Batch: 122726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 122431

| Analyte | Spike Added | LCS LCS | | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|-------------|---------|-----------|------|---|------|--------------|
| | | Result | Qualifier | | | | |
| Pentachlorophenol | 2.00 | 3.70 | * | ug/L | | 185 | 40 - 140 |
| Surrogate | LCS LCS | | Limits | | | D | %Rec. Limits |
| %Recovery | Qualifier | | | | | | |
| 2,4-Dichlorophenylacetic acid | 137 | | 32 - 140 | | | | |

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 86165-01, Penta Wood

TestAmerica Job ID: 240-43270-1

GC Semi VOA

Leach Batch: 122041

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| LB 180-122041/9-D | Method Blank | Total/NA | Water | 1312 | |

Prep Batch: 122431

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 240-43270-1 | W-141017-PS-SYSMOD | Total/NA | Water | 8151A | |
| LB 180-122041/9-D | Method Blank | Total/NA | Water | 8151A | 122041 |
| LCS 180-122431/2-A | Lab Control Sample | Total/NA | Water | 8151A | |
| MB 180-122431/1-A | Method Blank | Total/NA | Water | 8151A | |

Analysis Batch: 122726

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 240-43270-1 | W-141017-PS-SYSMOD | Total/NA | Water | 8151A | 122431 |
| LB 180-122041/9-D | Method Blank | Total/NA | Water | 8151A | 122431 |
| LCS 180-122431/2-A | Lab Control Sample | Total/NA | Water | 8151A | 122431 |
| MB 180-122431/1-A | Method Blank | Total/NA | Water | 8151A | 122431 |



Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01, Penta Wood

TestAmerica Job ID: 240-43270-1

Client Sample ID: W-141017-PS-SYSMOD

Lab Sample ID: 240-43270-1

Date Collected: 10/17/14 12:00

Matrix: Water

Date Received: 10/18/14 09:30

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 8151A | | | 122431 | 10/22/14 16:45 | CBY | TAL PIT |
| Total/NA | Analysis | 8151A | | 4 | 122726 | 10/26/14 07:19 | DFE | TAL PIT |

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058



Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 86165-01, Penta Wood

TestAmerica Job ID: 240-43270-1

Laboratory: TestAmerica Canton

The certifications listed below are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-----------|---------------|------------|------------------|-----------------|
| Wisconsin | State Program | 5 | 999518190 | 08-31-15 |

Laboratory: TestAmerica Pittsburgh

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|------------------------|---------------|------------|------------------|-----------------|
| Arkansas DEQ | State Program | 6 | 88-0690 | 06-27-15 |
| California | State Program | 9 | 2891 | 03-31-15 |
| Connecticut | State Program | 1 | PH-0688 | 09-30-14 * |
| Florida | NELAP | 4 | E871008 | 06-30-15 |
| Illinois | NELAP | 5 | 002602 | 06-30-15 |
| Kansas | NELAP | 7 | E-10350 | 01-31-15 |
| Louisiana | NELAP | 6 | 04041 | 06-30-15 |
| New Hampshire | NELAP | 1 | 203011 | 04-04-15 |
| New Jersey | NELAP | 2 | PA005 | 06-30-15 |
| New York | NELAP | 2 | 11182 | 03-31-15 |
| North Carolina (WW/SW) | State Program | 4 | 434 | 12-31-14 |
| Pennsylvania | NELAP | 3 | 02-00416 | 04-30-15 |
| South Carolina | State Program | 4 | 89014 | 04-30-15 |
| Texas | NELAP | 6 | T104704528 | 03-31-15 |
| US Fish & Wildlife | Federal | | LE94312A-1 | 11-30-14 |
| USDA | Federal | | P330-10-00139 | 05-23-16 |
| Utah | NELAP | 8 | STLP | 05-31-15 |
| Virginia | NELAP | 3 | 460189 | 09-14-15 |
| West Virginia DEP | State Program | 3 | 142 | 01-31-15 |

* Certification renewal pending - certification considered valid.



**CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS**



240-43270.Chain-of-Custody



TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 43270

Client ORA Site Name Pentz Wood

Cooler unpacked by:
[Signature]

Cooler Received on 10/18/14 Opened on 10/18/14

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # TA 104 Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A (CF +2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 4 (CF -2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 5 (CF 0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 8 (CF 0 °C) Observed Cooler Temp. 1.8 °C Corrected Cooler Temp. 1.8 °C

See Multiple Cooler Form

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No

-Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA

-Were custody seals on the bottle(s)? Yes No

3. Shippers' packing slip attached to the cooler(s)? Yes No

4. Did custody papers accompany the sample(s)? Yes No

5. Were the custody papers relinquished & signed in the appropriate place? Yes No

6. Did all bottles arrive in good condition (Unbroken)? Yes No

7. Could all bottle labels be reconciled with the COC? Yes No

8. Were correct bottle(s) used for the test(s) indicated? Yes No

9. Sufficient quantity received to perform indicated analyses? Yes No

10. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC412469

11. Were VOAs on the COC? Yes No

12. Were air bubbles >6 mm in any VOA vials? Yes No NA

13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

[Signature]

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-43270-1

Login Number: 43270

List Number: 2

Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh

List Creation: 10/21/14 06:15 PM

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |



PENTA WOOD TRANSITION CALL MINUTES

Time: 1100, October 27, 2014

Call in #- 888 327 8914, pass code 6751034 #

Attending: DNR: Erin Endsley, Phil Richard, John Robinson; EPA: Linda Martin, Terry Stanuch; CRA: Tim Ree; CH2MHill: Mike Niebauer

Agenda repair/additional items

- Reminder from Mike CH2MHill has one more month on contract – through the end of November.
- DNR working on draft letter to communicate continuing obligations in order to satisfy institutional control requirement for site, with goal to have in place by end of this year.

Current site conditions and system operation

- System ran continuously for past month. Piping modifications were made so that water being pumped from the lower aquifer is being treated by carbon filtration only. An effluent sample was taken Oct 17, and the system was shut down until the results were received. Results received today indicated PCP below discharge limits. CRA plans to restart the modified system today or tomorrow, and will request rapid turnaround on next few sampling events to make sure system is working well. Pete plans to be at site daily to check pressures on carbon unit. Mike recommended sampling between the two vessels as well. CRA has not done this yet but plans to do so.
- Biovent system ran one week at end of September as well as last week.
- Pete took Class K exam and is now certified as Class K operator.
- Annual groundwater sampling and semiannual private well sampling completed. One private well was added, close by and down-gradient.
- 7 dumpsters of filter cake generated since start of September. Working with Clean Harbors to get profile info, and will send to Phil for DNR signature as generator before shipping. Plan to ship at end of month.
- Submitted electronic discharge monitoring report last week to DNR, need to resolve site contact info by removing CH2MHill and adding CRA.
- Meeting held with EPA, DNR, and CRA in Chicago on September 25 to discuss proposed system operation modifications.
- New discharge permit is being processed and is not final yet. Mike would like a copy of the permit once it is final.

Access to data

- DNR would like access to data in database provided by CH2MHill. Mike will send out the database that is linked to the previously provided database.

Long Term Remedial Action Plan Status

- Comments provided to DNR by CH2MHill.
- Mike is waiting on data validation for a few items, and expects to have a final report by the end of this week or next. Will provide a digital copy and hard copy.